484

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

KODIGEHALLI SUB DIVISION

WARD 7: BYATARAYANAPURA

Name of work Improvements to drains of Amruthanagara main road(Sanjay Dhabha Road) in ward No.07, Byatarayanapura .

P-CODE:- P2415

Estimate Cost:- 30.00 lakhs

Name of Work:- Improvements to drains of Amruthanagara main road(Sanjay Dhabha Road) in ward No.07, Byatarayanapura

Estimated Cost:- 30.00 Lakhs

S.N	DESCRIPTION OF WORK	Unit	N	L	B	D	QTY	RATE	AMOUNT
1	2	3	4	5	6	7	8	9	10
1	KSRRB 300-1. Earthwork excavation by manual means in rodinary soil involving an average horizontal throw upto 2 m and an average lift upto 1.5m, excavated surafce levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specifications.. Pg No.141.Item No.19.1)								
	Basic Rate:	cum	**157.00**						
	Area Weightage @ 6%		9.42						
	Total		**166.42**						
	RCC DRAIN								
	Sanjay Dhabha road		1	287.00	0.90	0.90	232.47		
	Desilting pf drain		1	65.00	0.60	0.60	23.40		
	For rain water harvesting pits		13	(3.14*3*3)/4		3.00	275.54		
	Over burden earth		1	35.00	1.50	0.90	47.25		
					TOTAL		**578.66**	166.42	96300.00
2	Removing and resetting of kerb stones. Pg No. 265, Item No.37.57.								
	Basic Rate:	m	**62.00**						
	Area Weightage @ 6%		3.72						
	Total		**65.72**						
	Sanjay Dhabha road		1	287.00			287.00		
		Missing qty- 20%					57.40		
					TOTAL		**229.60**	65.72	15090.00
3	KSRB 4-1.3: Providing and laying in position plain cement concrete of nominal mix 1:4:8 using 40mm and down size graded granite metal machine mixed, conrete laid in layers not exceeding 15 cms. Thick well compacted in foundation and plinth, including cost of all materials labour, HOM of machinery, curing complete as per specification . **(Pg.No.12, It.4.3)**								
	Basic Rate:	cum	4867.00						
	Area Weightage @ 6%		292.02						
	Total		5159.02						
	RCC DRAIN- BOTTOM								
	Sanjay Dhabha road		1.00	287.00	0.90	0.15	38.75		
	For ramps- (Length for shoulder drains deducted)		1.00	150.00	0.15	0.15	3.38		
					TOTAL		**42.12**	5159.02	217298.00

4	KSRB 4.2.2: Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastizers @ 3lts confirming to IS 9103-1999 RE affirmed - 2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, stair case lintels, retaining walls return walls, walls(anythickness) including attached plasters columns piers abutments pillars posts struts butresses string or lacing courses parapets copings, bed blocks , plain windows cills fillets etc., including cost of all materials labour HOM of machinery curing complete as per specifications. Seocifications No. KBS 4.1,4.6 (Page NO. 13, Item NO. 4.11)								
	Basic Rate:	cum	6011.00						
	Area Weightage @ 6%		360.66						
	Total		6371.66						
	Bottom								
	Sanjay Dhabha road		1.00	287.00	0.75	0.15	32.29		
	Side Wall								
	Sanjay Dhabha road	**1x2**	2.00	287.00	0.15	0.75	64.58		
	For rain water harvesting pits		13.00	(3.14*3*3)/4		0.10	9.18		
							96.86	6371.66	617175.00
5	Providing **TMT Steel Reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.(Page No.17, Item No.17)								
	Basic Rate:	Tonne	60607.00						
	Area Weightage @ 6%		3636.42						
	Total		64243.42						
	Reinforcement for side wall						96.86		
	For rain water harvesting pits						9.18		
							106.05		
			At 55 Kg % per cum				5.83	64243.42	374706.00
6	Providing and removing Centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / **rectangular sla**bs **/side walls** polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in charge.(Page No.16, Item NO.4.32)								
	Basic Rate:	Sqm	366.00						
	Area Weightage @ 6%		21.96						
	Total		387.96						
	SIDE WALL								
	Sanjay Dhabha road	2x4	4	287.00		0.75	861.00		
	For rain water harvesting pits		13	(3.14*3*3)/4			91.85		
							952.85	387.96	369666.00

7	oviding and fixing 10cms thick pre cast RCC covering slab using reinforced cement concrete M20 mix with stone aggregate 20mm and down size including centring shuttering reinforcement and bar bending machine mixed concrette laid in layers not exceeding 15 cm thick wellcompacted cost of all materials labour curing complete as per specfications (Data								
	DETA RATE	**Sqm**							
	Covering Slab								
	Sanjay Dhabha road		1	287		0.90	258.30		
							258.30	2100.00	542430.00
8	Providing and fixing MS Grating 260x260 mm(Page No.VIII, Sl No.237, code No.0771)								
	Basic Rate:	Nos	89.00						
	Area Weightage @ 6%		0.00						
	Total		89.00						
	Sanjay Dhabha road		20				20.00		
							20.00	89.00	1780.00
9	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 of size 450x200x400 mm and finished with CM 1:3 plastering and finishing cutting etc., complete. Page No. 25 / Item No. 5.29.1 / PWD SR 2016-17								
	Basic Rate:	Nos	364.00						
	Area Weightage @ 6%		21.84						
	Total		385.84						
	Sanjay Dhabha road		57				60.00		
							60.00	385.84	23150.40
10	Providing and applying ready mix priming coat over ocncrete / masonry, / asbestos cement sheet / plastered surfaces includding preparing the surface after thorougly cleaning of oil, grease, dirt and other foreign matter and sand papering including cost of materials, labour compelte as per specifications. Page No. 121 / Item No. 15.80								
	Basic Rate:	Sqm	26.00						
	Area Weightage @ 6%		1.56						
	Total		27.56						
	Sanjay Dhabha road		1	287		0.45	129.15		
							129.15	27.56	3559.37
11	Providing and applying spray painting in two coats (excluding priming coat) over ocncrete / masonry, / asbestos cement sheet / plastered surfaces includding preparing the surface after thorougly cleaning of oil, grease, dirt and other foreign matter and sand papering including cost of materials, labour compelte as per specifications. Page No. 121 / Item No. 15.81								
	Basic Rate:	Sqm	66.00						
	Area Weightage @ 6%		3.96						
	Total		69.96						
	Sanjay Dhabha road		1	287		0.45	129.15		
							129.15	69.96	9035.33
	RAIN WATER HARVEST PITS								
12	Providing 100mm and down size nominal size								
	Basic Rate:		750.00						
	Area Weightage @ 6%		0.00						
	Total		750.00						

			13	(3.14*3*3)/4	1.50	137.77		
						137.77	750.00	103325.63
13	Providing 40mm and down size nominal size							
	Basic Rate:		900.00					
	Area Weightage @ 6%		0.00					
	Total		900.00					
			13	(3.14*3*3)/4	0.60	55.11		
						55.11	900.00	49596.30
12	Providing 20mm and down size nominal size							
	Basic Rate:		1100.00					
	Area Weightage @ 6%		0.00					
	Total		1100.00					
			13	(3.14*3*3)/4	0.40	36.74		
						36.74	1100.00	40411.80
14	Providing Fine aggrgate 2.36mm nominal size							
	Basic Rate:		800.00					
	Area Weightage @ 6%		0.00					
	Total		800.00					
			13	(3.14*3*3)/4	0.30	27.55		
						27.55	800.00	22042.80
15	KSRRB M2900-2.1. Laying Reinforced cement concrete pipe NP4 / prestressed concrete pipe for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets complete as per specifications. MORTH Specification No. 2900 B. 1200 mm dia MORTH Specification No. 2900 Page No. 251, Item No. 34.3, PWD SR 2016-17							
	Basic Rate:	Sqm	3634.00					
	Area Weightage @ 6%		218.04					
	Total		3852.04					
			40			40.00		
						40.00	3852.04	154081.60
16	KSRRB M100-1 Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1 (Page 118, item No. 17.1)							
	Basic Rate	cum	**68.00**			578.66	106.00	61338.00
	Rs. 2.50 Tonne Km.							
	Average Weight of earth 1.28 Tonne/Km.							
	For 10 Km							
	Rs.2.50X1.28TonneX10Km		**32.00**					
	Total		**100.00**					
	Add Area Weightage6%		**6.00**					
			106.00					

17						**Sub Total**	2700986.23
18				**Add 10% Third party inspection charges**			270098.62
19				**Add 1% Labour cess charges**			27009.86
20				**Miscelleneous charges**			1905.28
21						**Total**	3000000.00
	1)This is certified that the work spot comes under BBMP limits only.						
	2) The work spot is inspected by me						
	3) The items Provided in the Estimate are quite Essential						
	4)The rates are as per CSR of 2016-17 year of PWD Bangalore Circle.						
	N.D						
	~~Asst.~~Engineer		Asst.Exe.Engineer			Executive Engineer	22/12
	Ward no.7		Kodigehalli Sub-division			Byatrayanapura Division	
			B.B.M.P.			B.B.M.P.	

ADMINISTRATIVE APPROVAL

Accorded For Rs. Thirty lakhs only

Head of A/c. P-2415

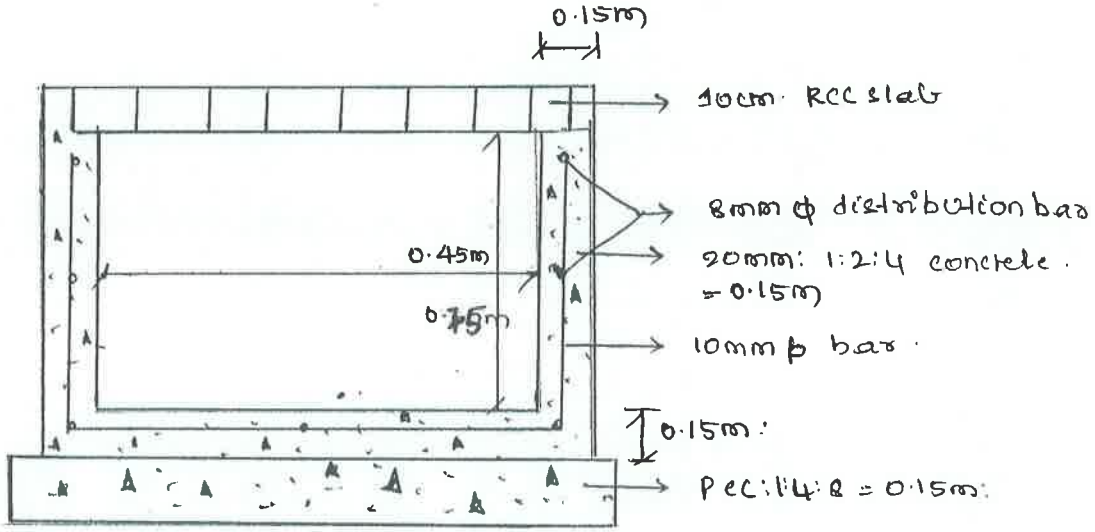
Adv. Ref. No. 137/17-18 Date 22/12/17

AE 22/12 EE(BTP) 22/12

Technical Sanction
Accorded For 30.00 lakhs
Head of A/C P2415
CER NO : 522 Dt. 12/01/18

[TA] CE (YNK)

Name of work:- Improvements to drain of Amruthanagara main road (Sanjay dhabha road) in ward no.07.

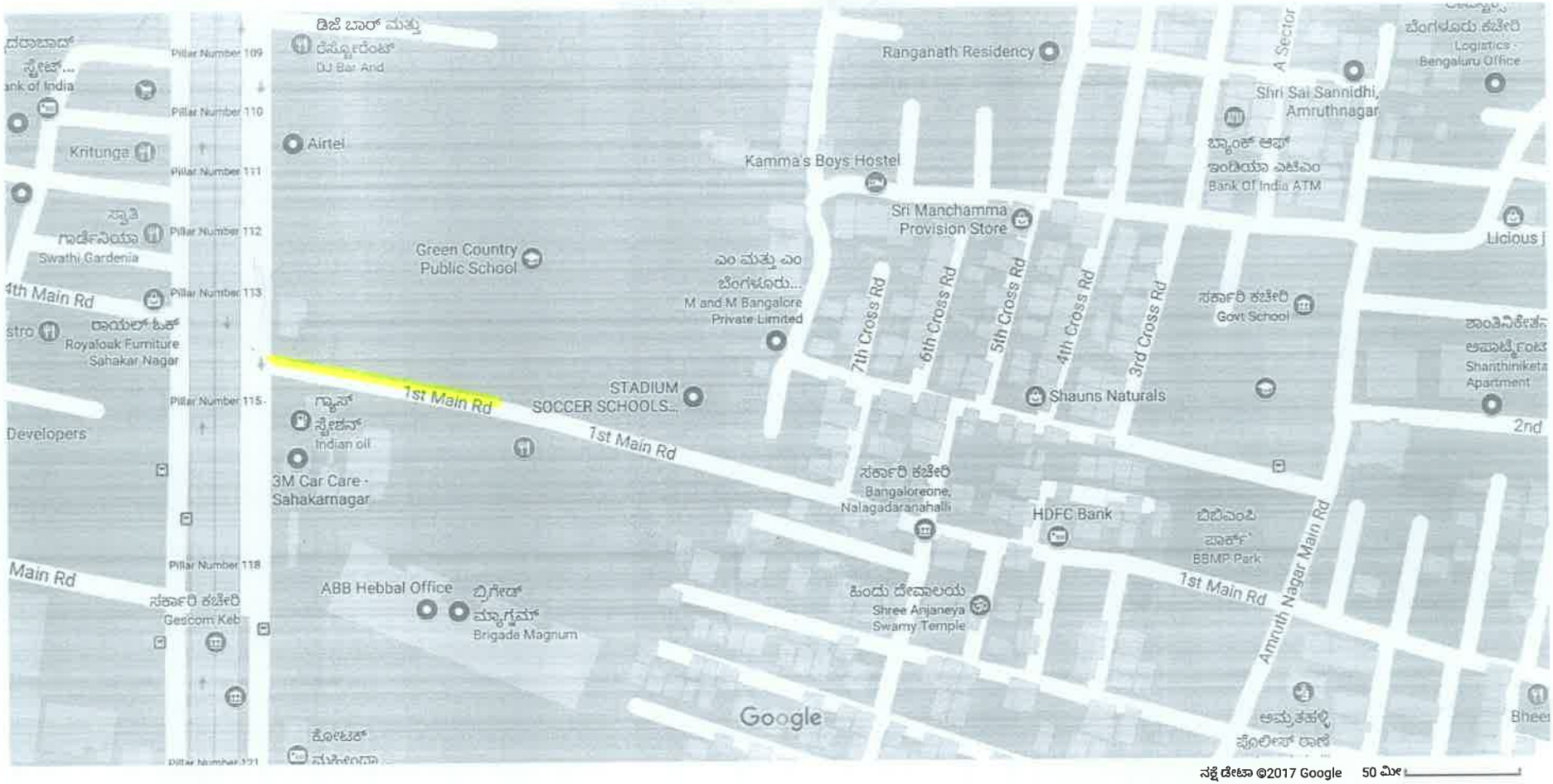


CROSS-SECTION.

AE(W)

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike

Google Improvements to drains of Amruthanagara main road(Sanjay Dhabha Road) in ward No.07, Byatarayanapura



AE(NR)

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092